

U.S.S.N 09/582,534

Filed: June 27, 2000

**AMENDMENT AND RESPONSE TO OFFICE ACTION****Remarks**

Claims 82-132 are pending. Claims have been amended to correct antecedent basis and to use proper Markush language. Claims 1-81, and 133 have been previously canceled. These amendments do not introduce new matter. Applicants believe that it is proper for the present amendments to be entered since they place the application in condition for allowance. Alternatively, entry of these amendments is proper since they place the claims in better form for appeal, do not raise any new issues, and do not require further consideration or search.

**Rejection Under 35 U.S.C. § 112, first paragraph**

Claims 82-132 were rejected under 35 U.S.C. § 112, first paragraph, as containing subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the art that the inventor had possession of the claimed invention. Applicants respectfully traverse this rejection to the extent that it is applied to the claims as amended.

Claims 82, 91, and 97 have been amended for clarity. Claims 87-90, 93-96 and 105-108 have been amended to recite two nucleic acid segments comprising nucleic acid sequences encoding fusion proteins, wherein one of the nucleic acid sequences encodes an acyl-ACP thioesterase, fatty acyl hydroxylase, yeast multifunctional protein (MFP), or hydroxyacyl-CoA epimerase gene. Accordingly, the application should be in condition for allowance.

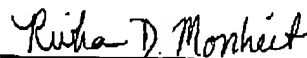
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Allowance of all claims, as amended, is respectfully solicited.

Respectfully submitted,



Rivka D. Monheit

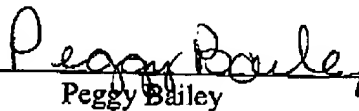
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HOLLAND & KNIGHT LLP  
One Atlantic Center, Suite 2000  
1201 West Peachtree Street  
Atlanta, Georgia 30309-3400  
(404) 817-8473  
(404) 817-8588 (Fax)

**Certificate of Facsimile Transmission**

I hereby certify that this Amendment and Response to Office Action, and any documents referred to as attached therein are being facsimile transmitted to the Commissioner for Patents, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.



Peggy Bailey

Date: January 29, 2004

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